

Fig 1(b)

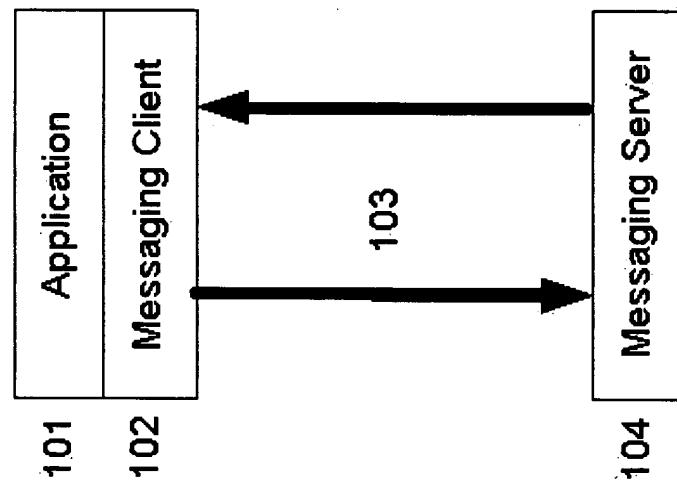


Fig 1(a)

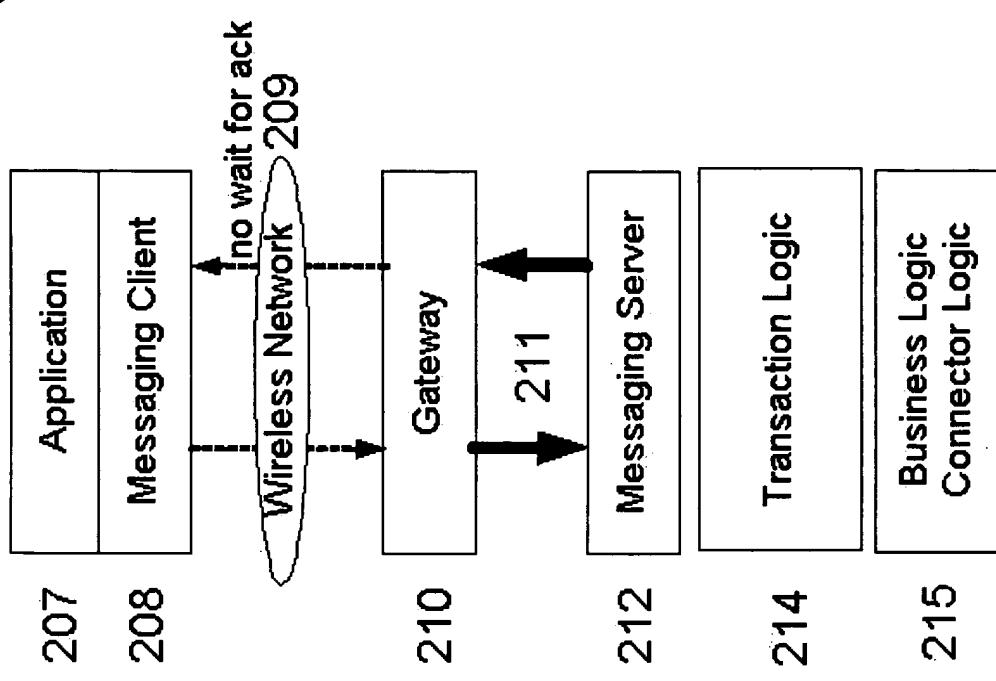


Fig 2(b)

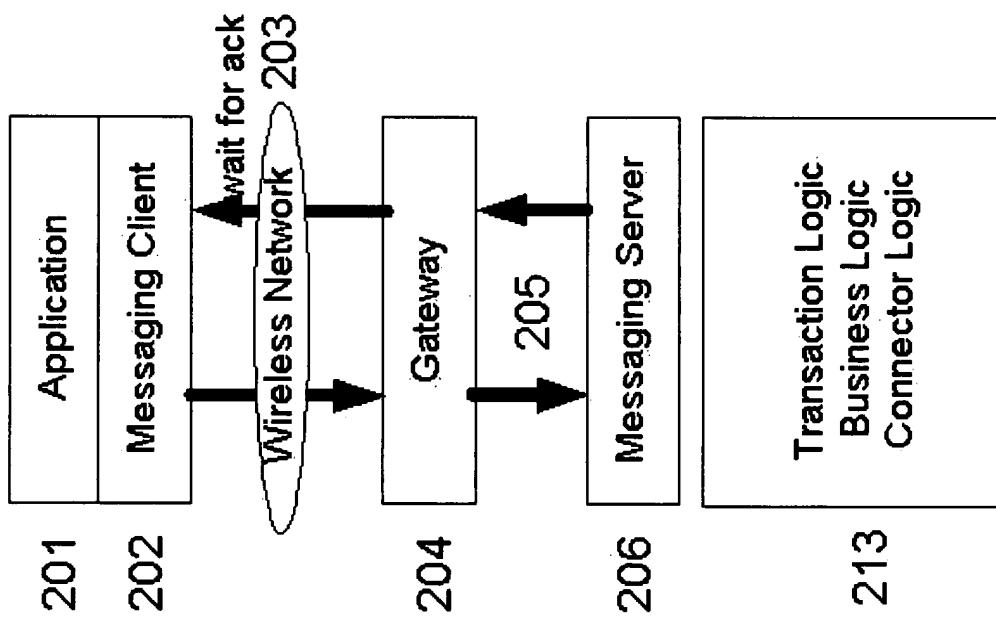


Fig 2(a)

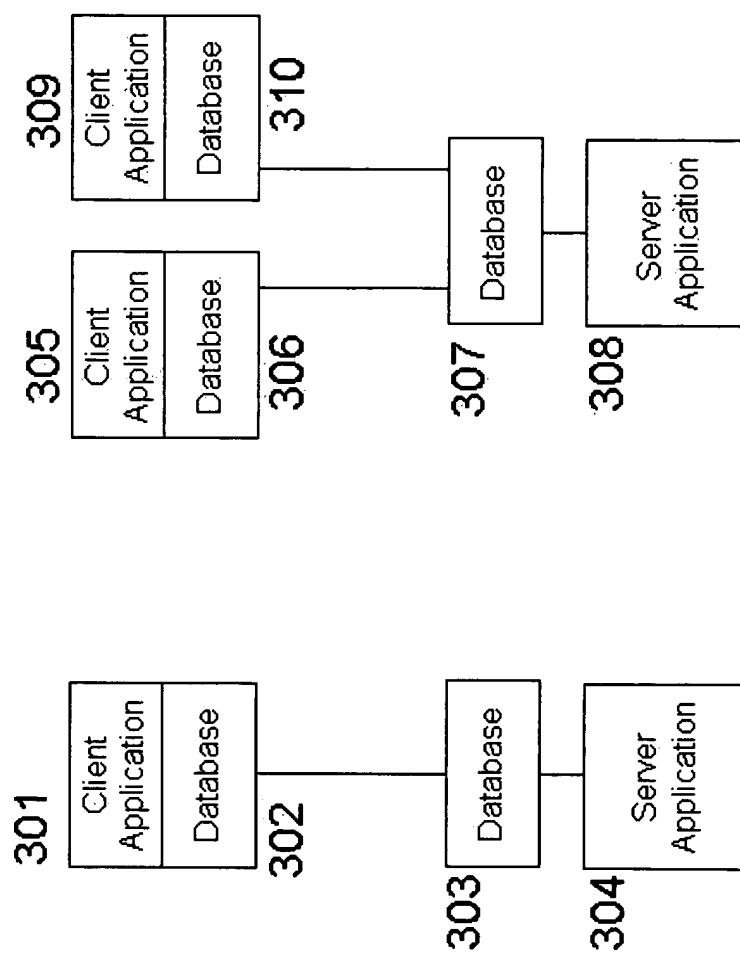


Fig 3(a)

Fig 3(b)

Fig 3(c)

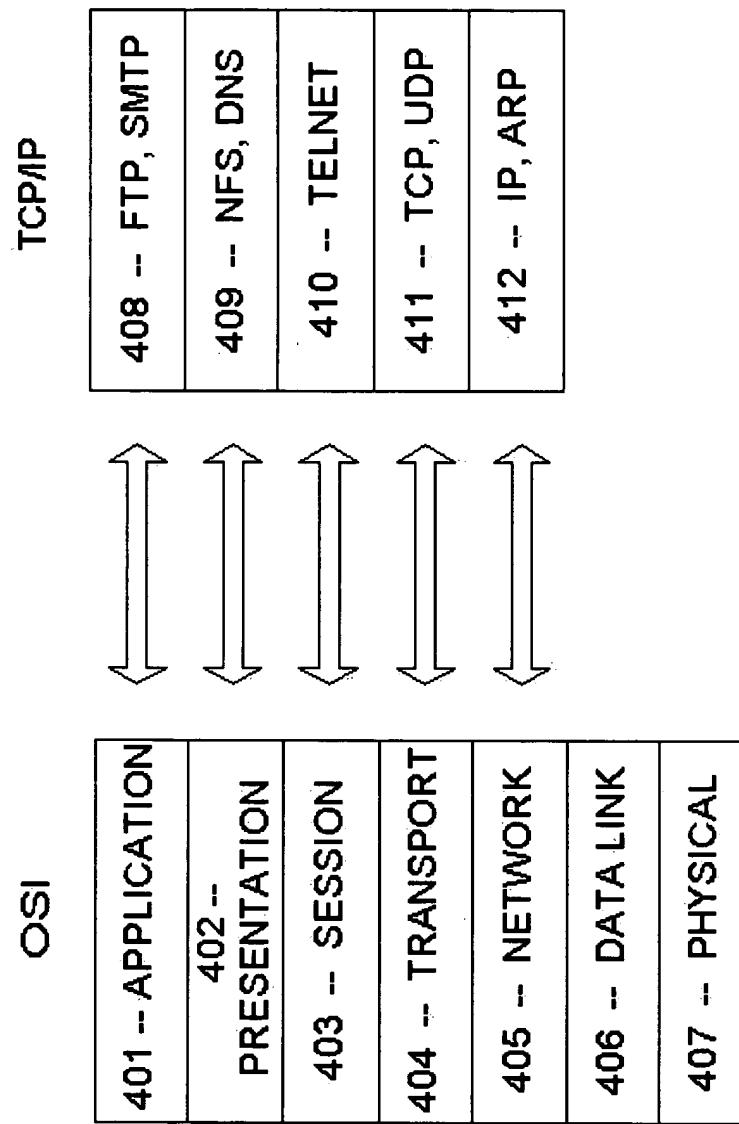


Fig 4(a)

Fig 4(b)



	Application	Application	Application
501			
502		HTTP	
503		TCP	
504		IP	
505	LAN driver	WiFi driver	GPRS driver
506	LAN NIC	WiFi NIC	GPRS NIC

Fig 5

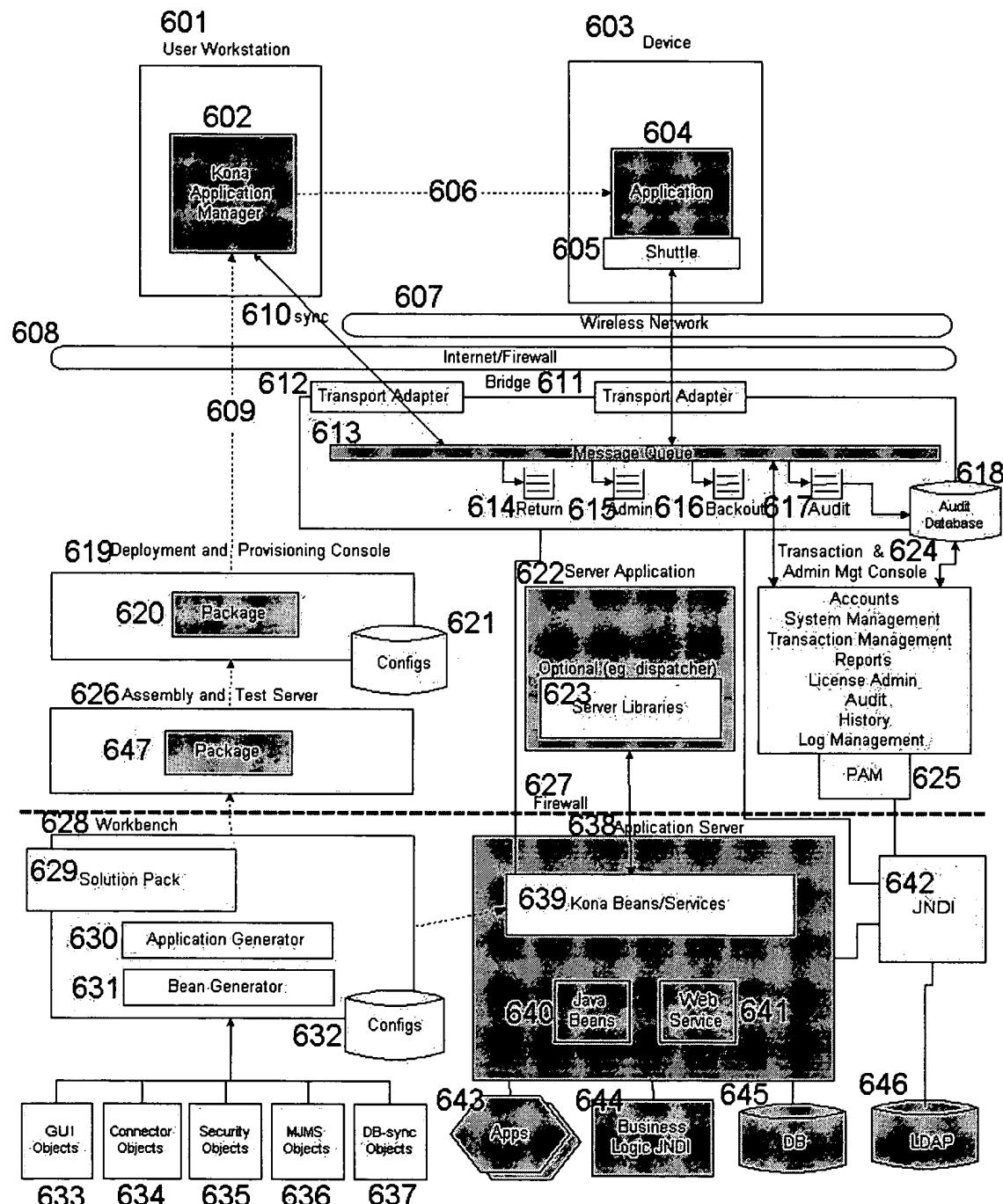
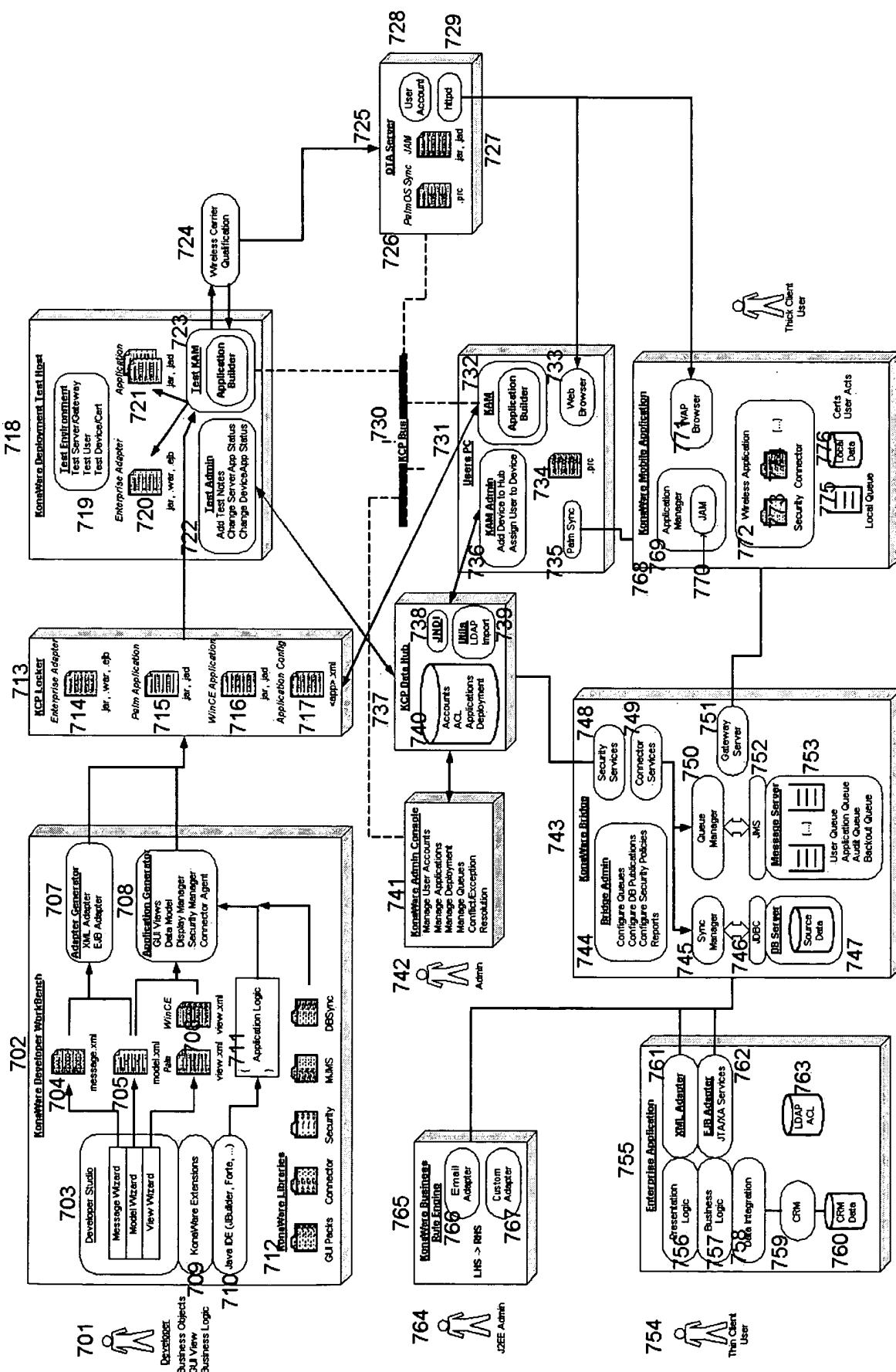


Fig 6



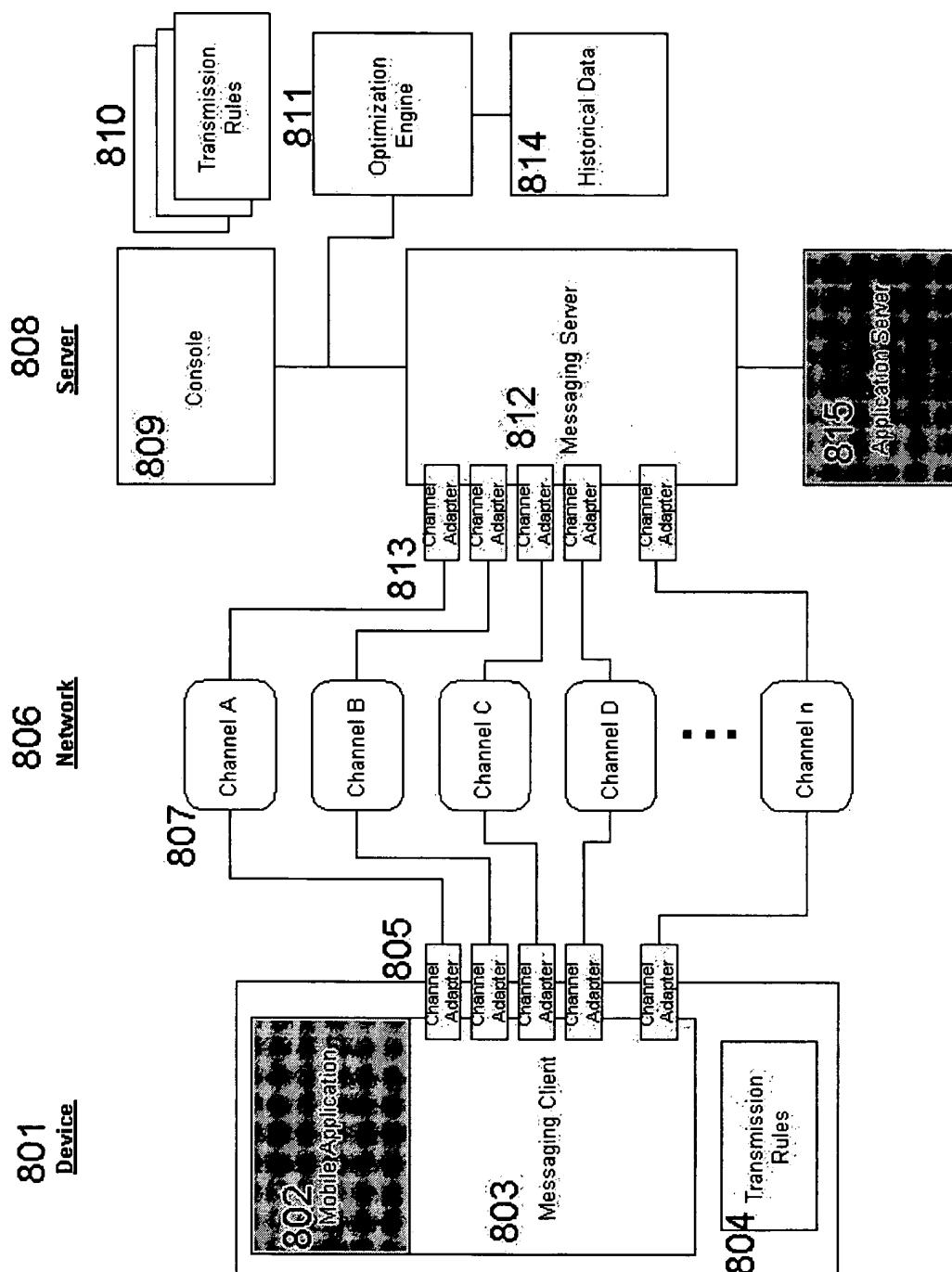


Fig 8

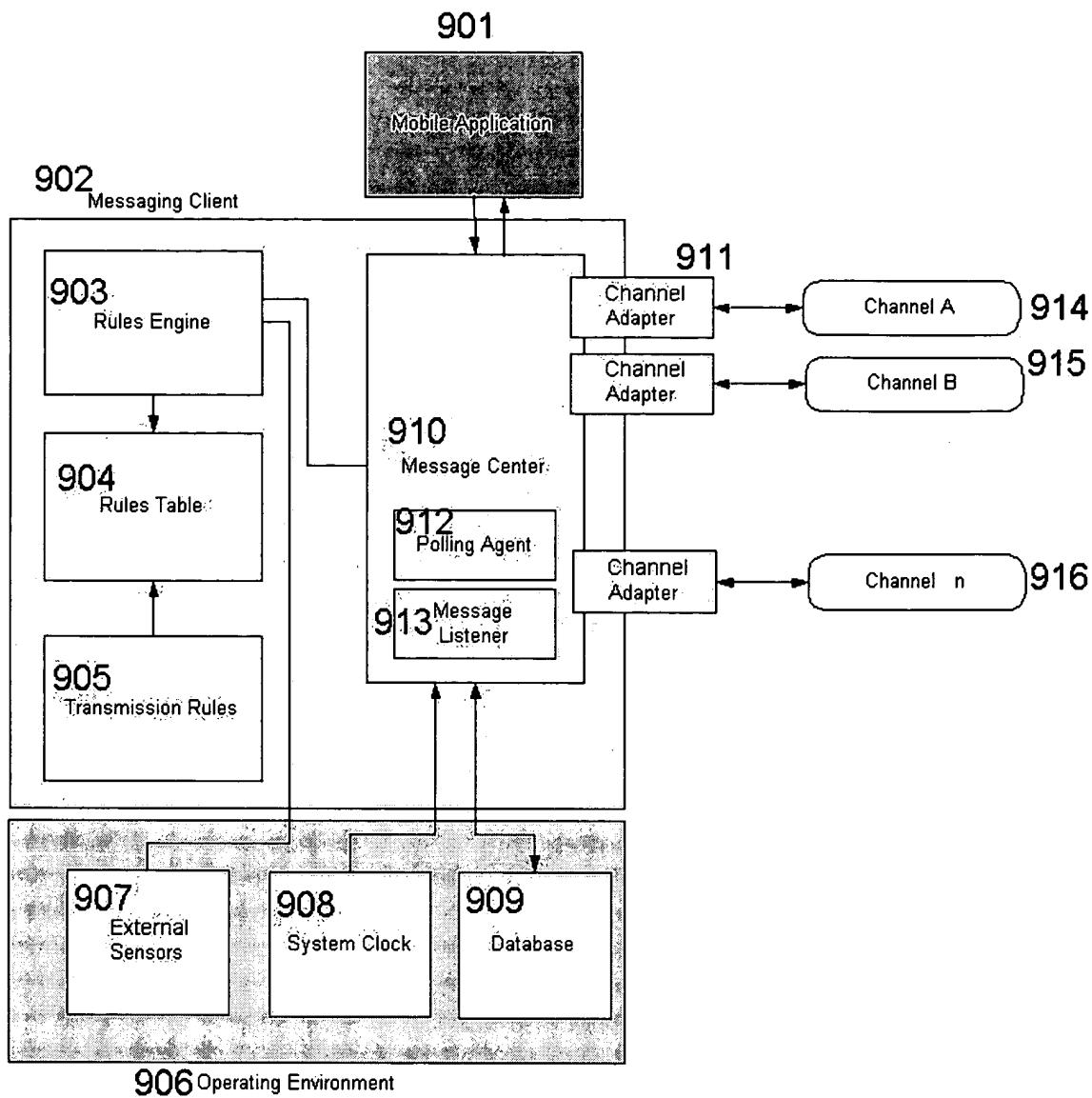


Fig 9

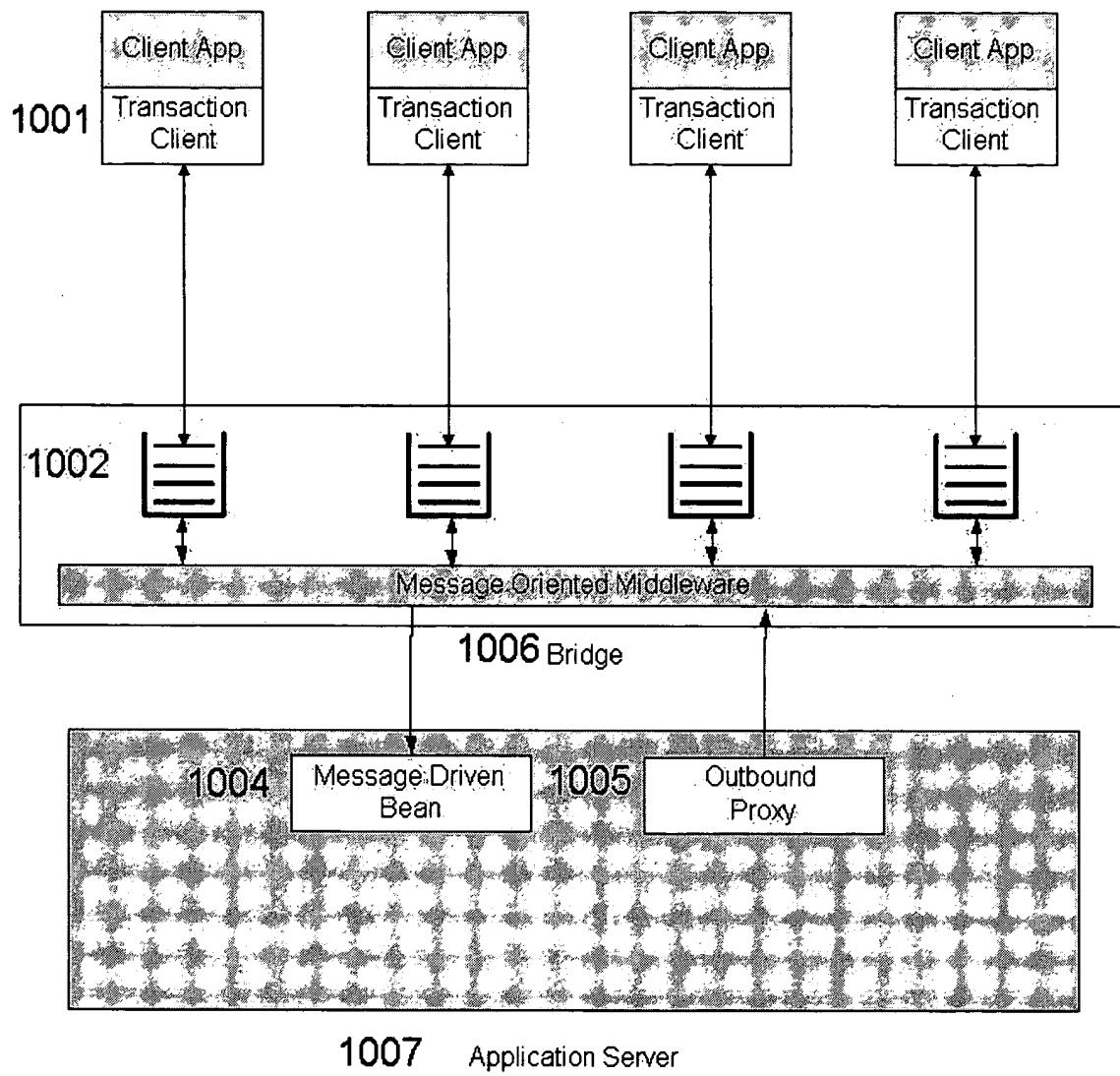


Fig 10

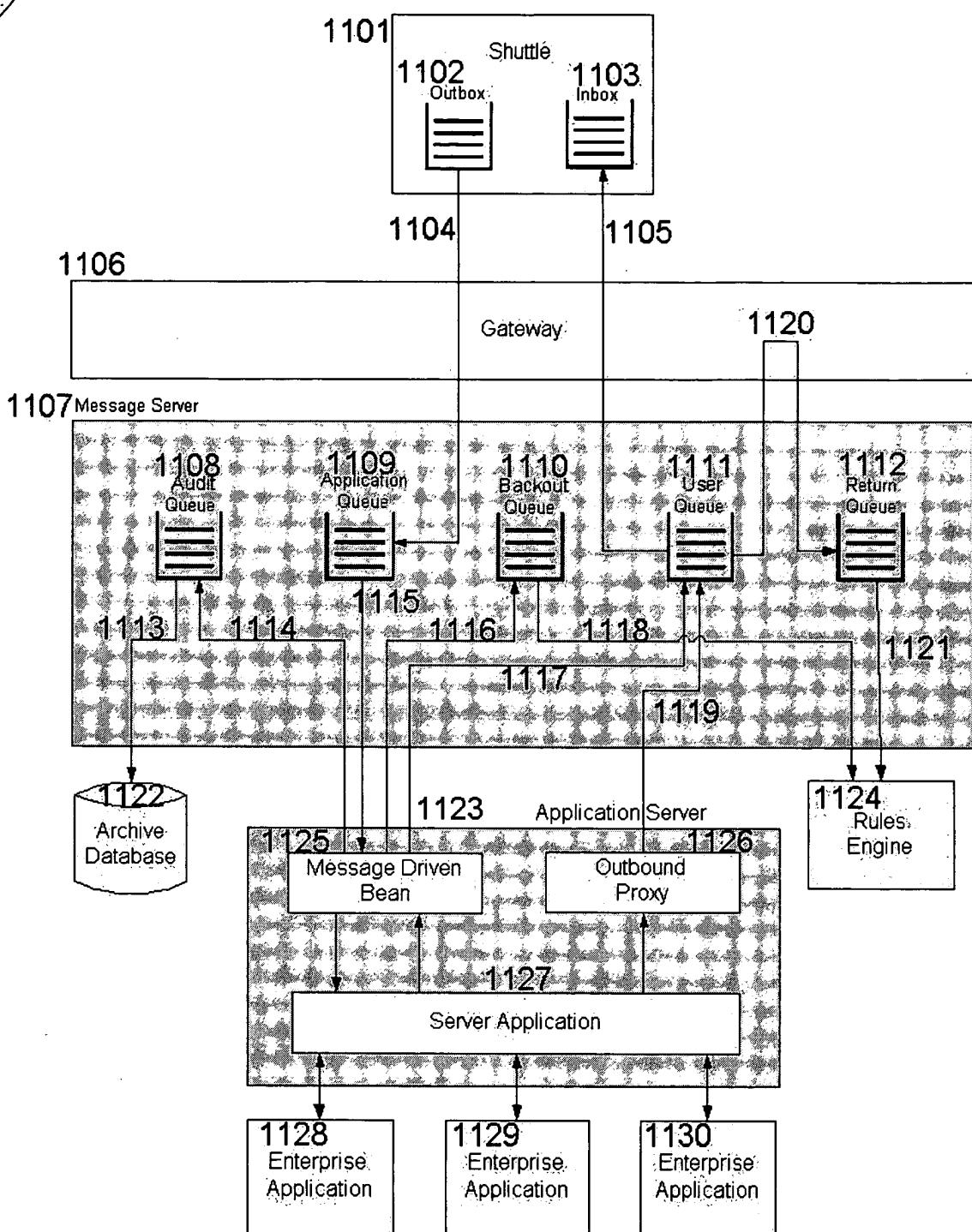


Fig 11

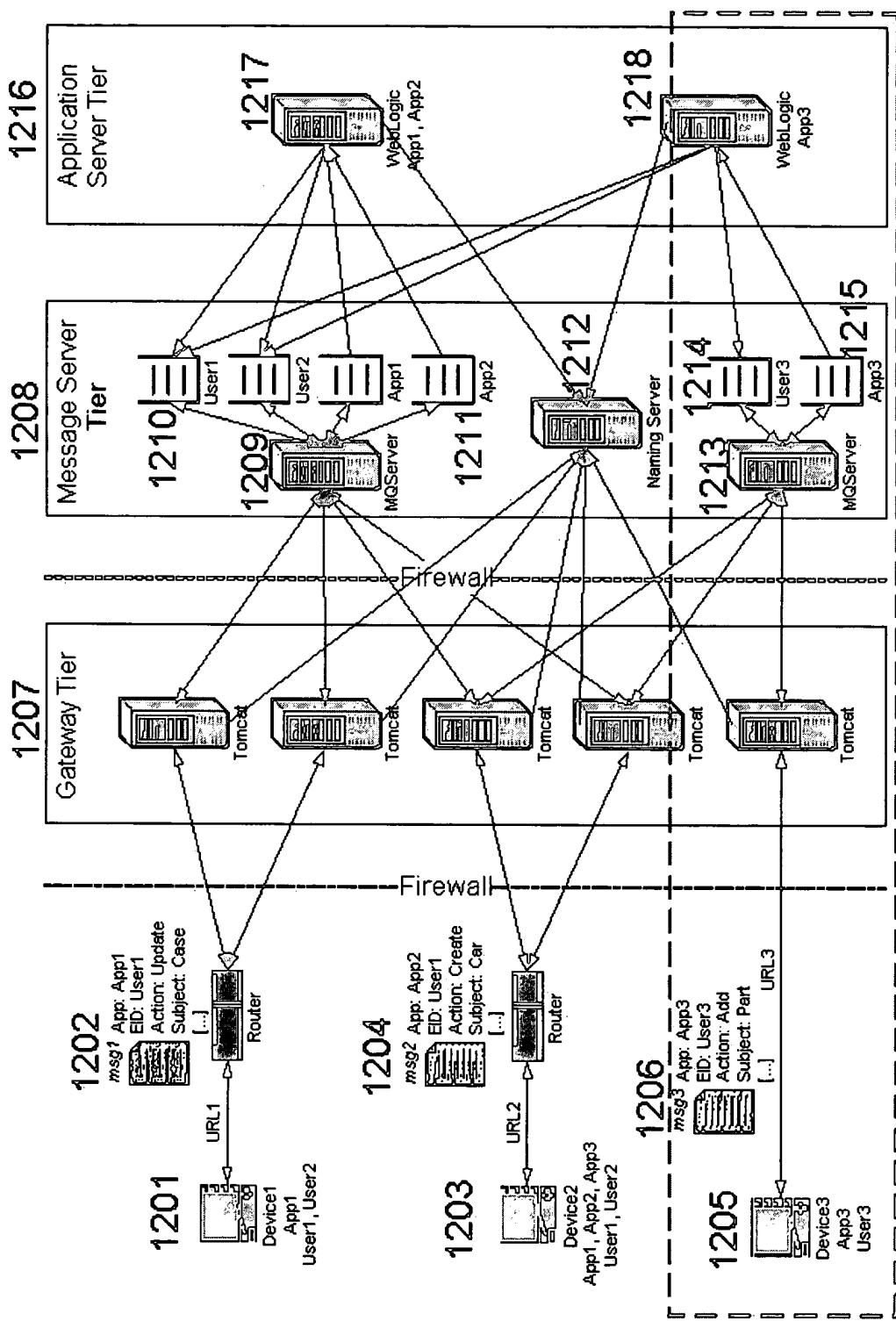


Fig 12

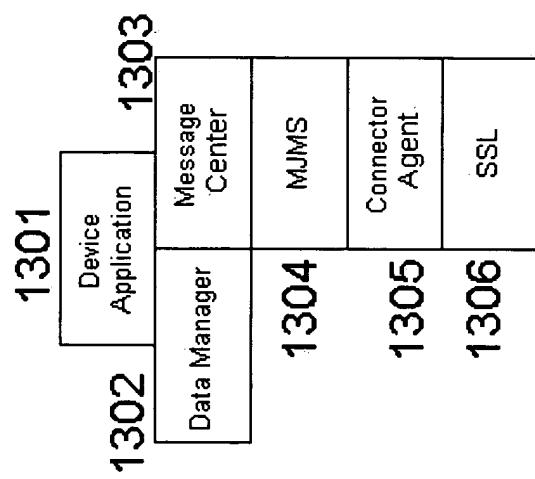


Fig 13(a)

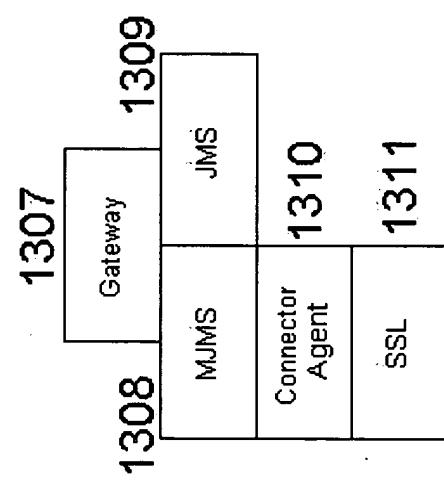


Fig 13(b)

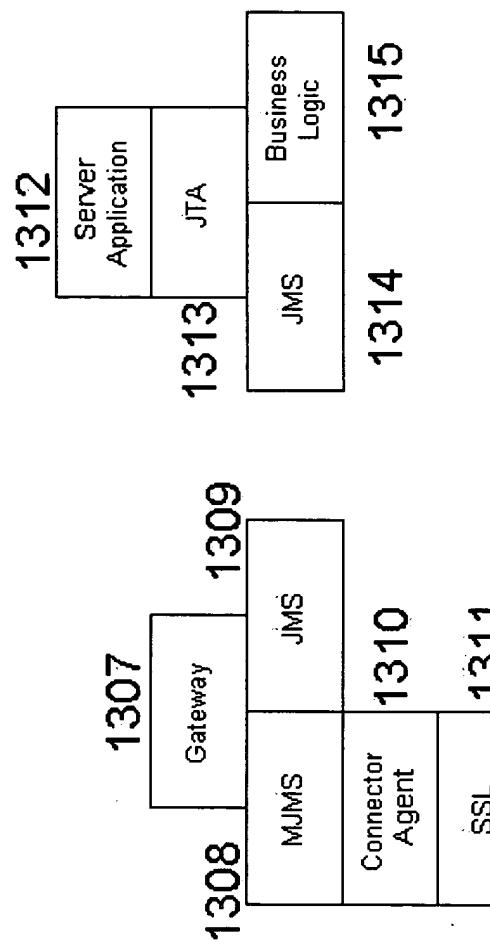


Fig 13(c)

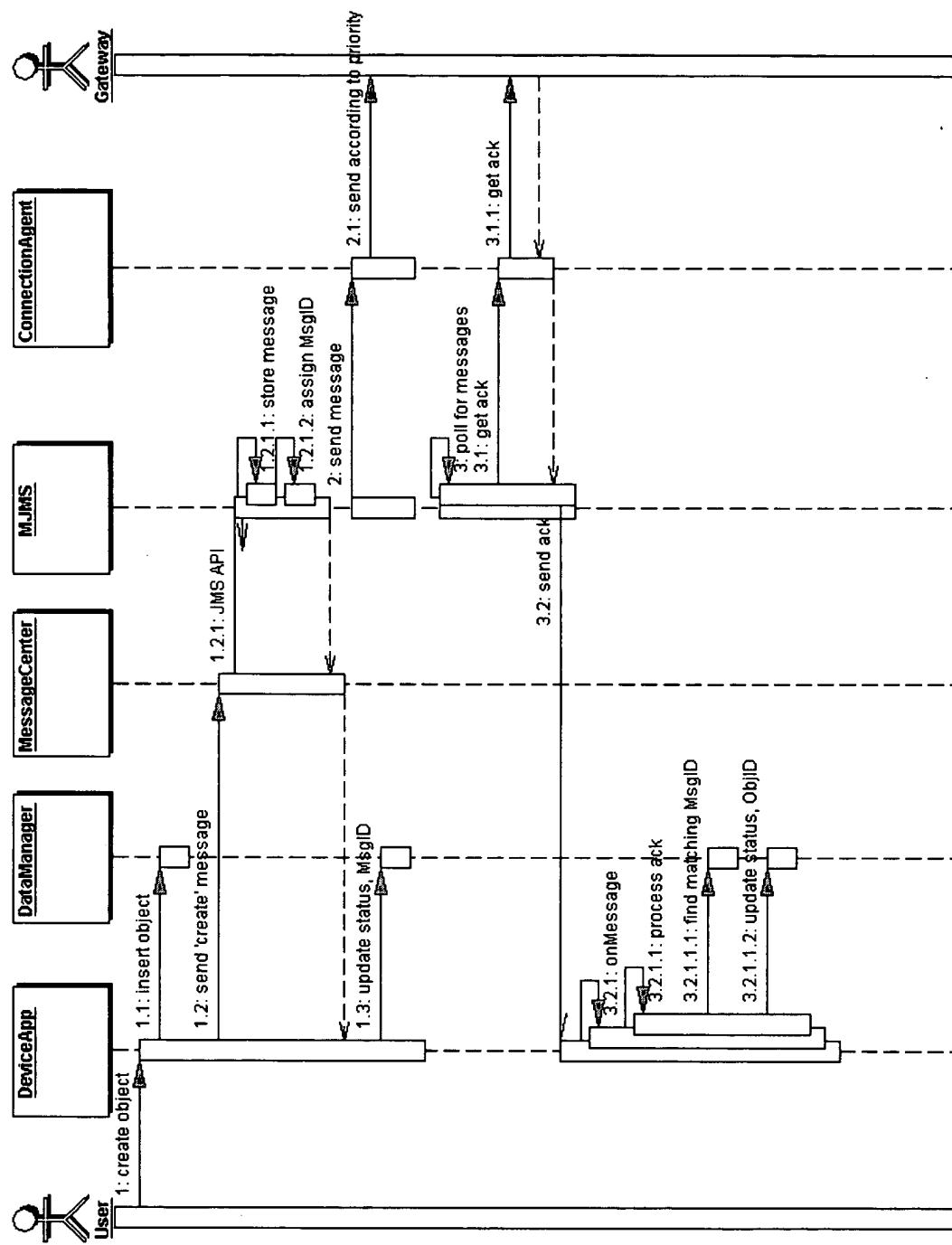


Fig 14

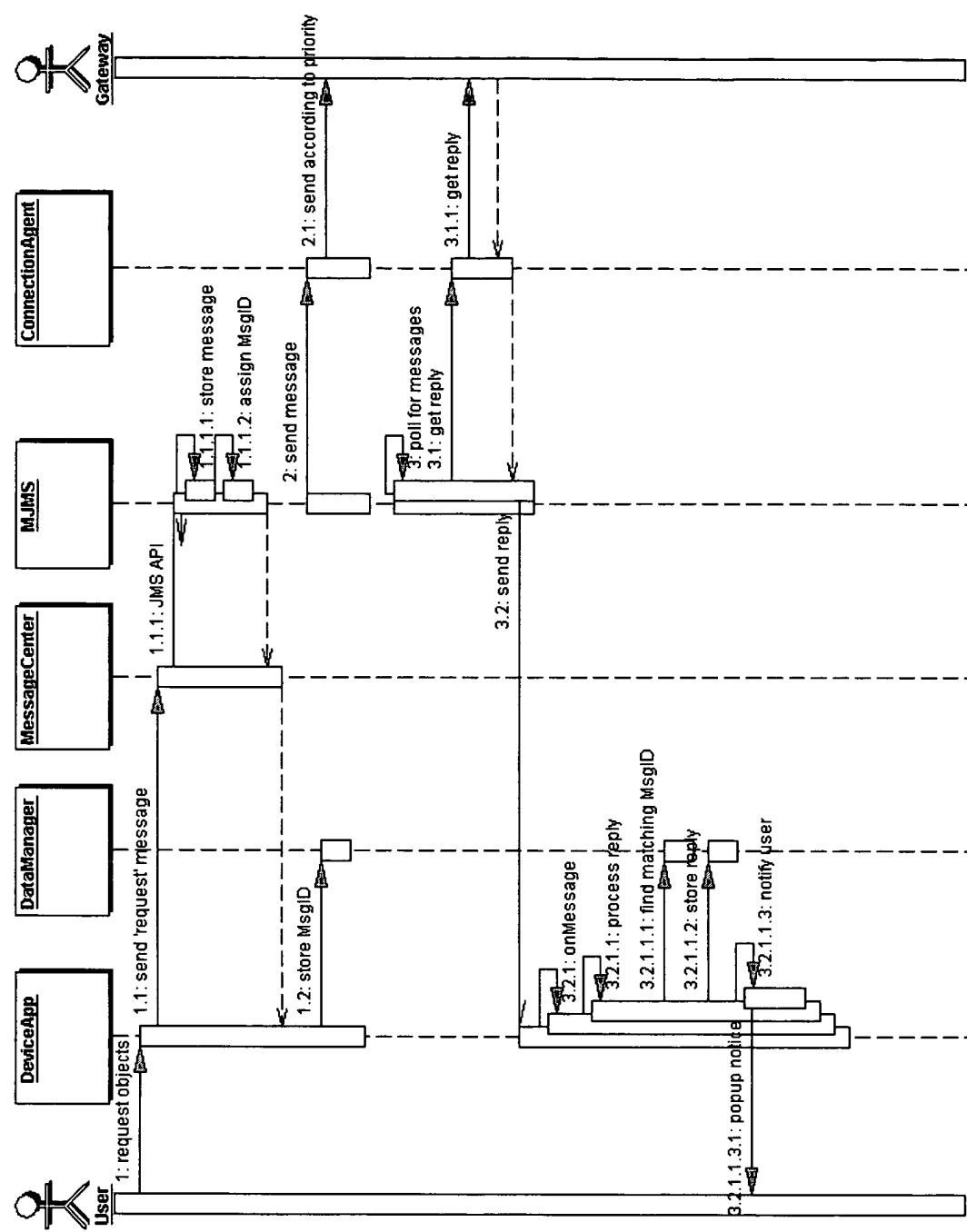


Fig 15

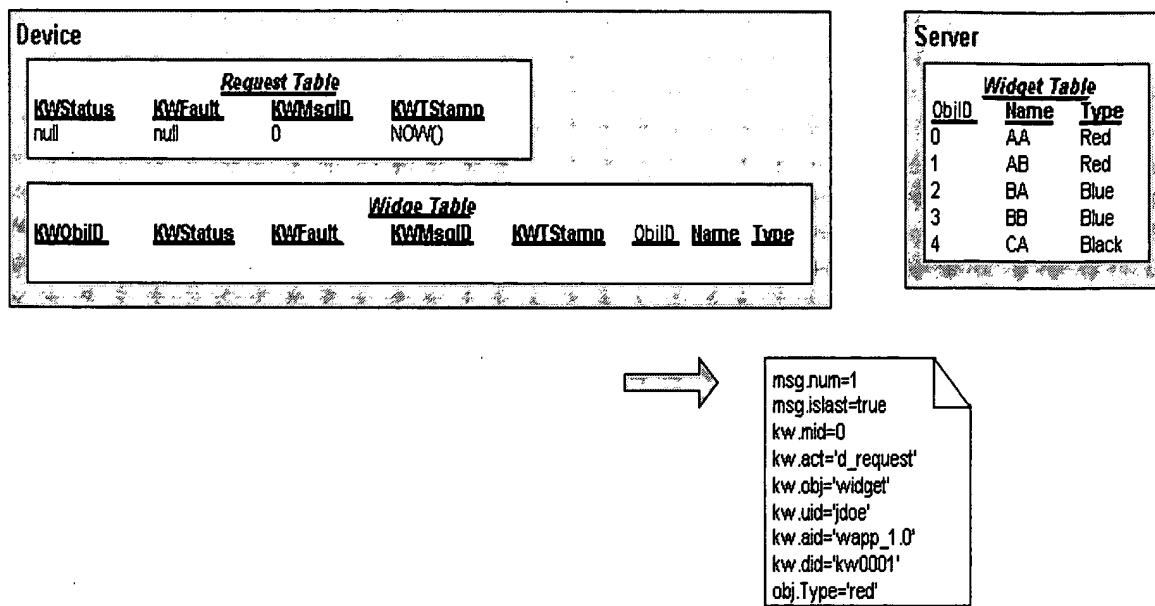


Fig 16

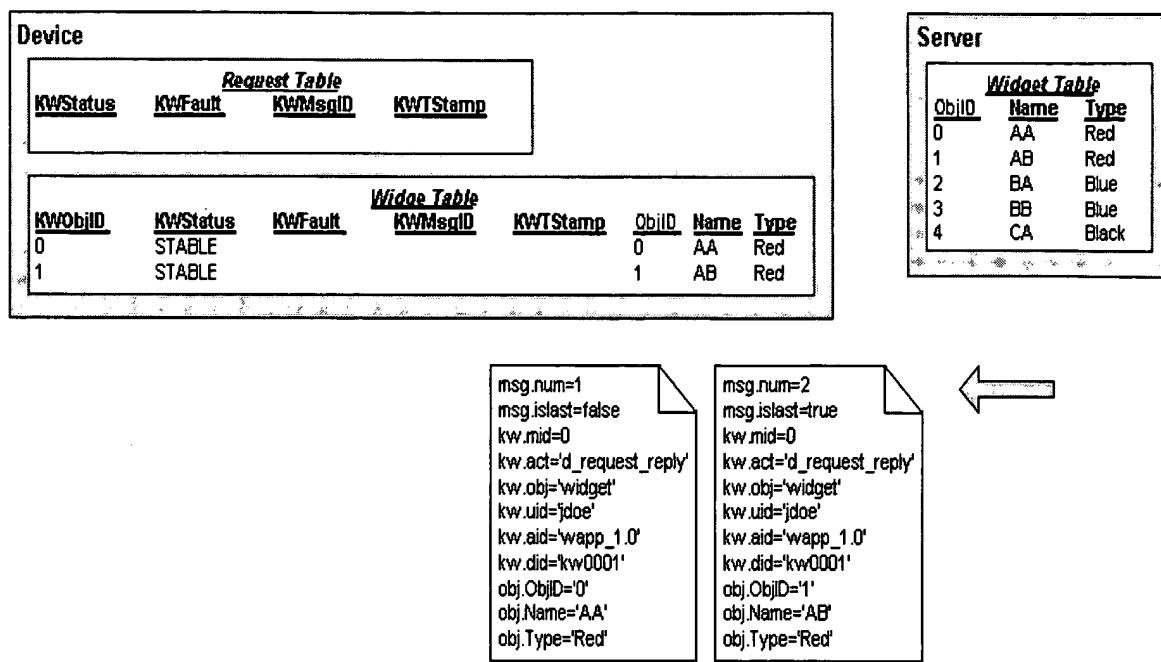


Fig 17



Device							
Request Table				Widget Table			
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>	<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>
0	STABLE			0	AA	Red	
1	STABLE			1	AB	Red	
2	PENDING_CREATE			2	AC	Red	

Widget Table		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black

Fig 18

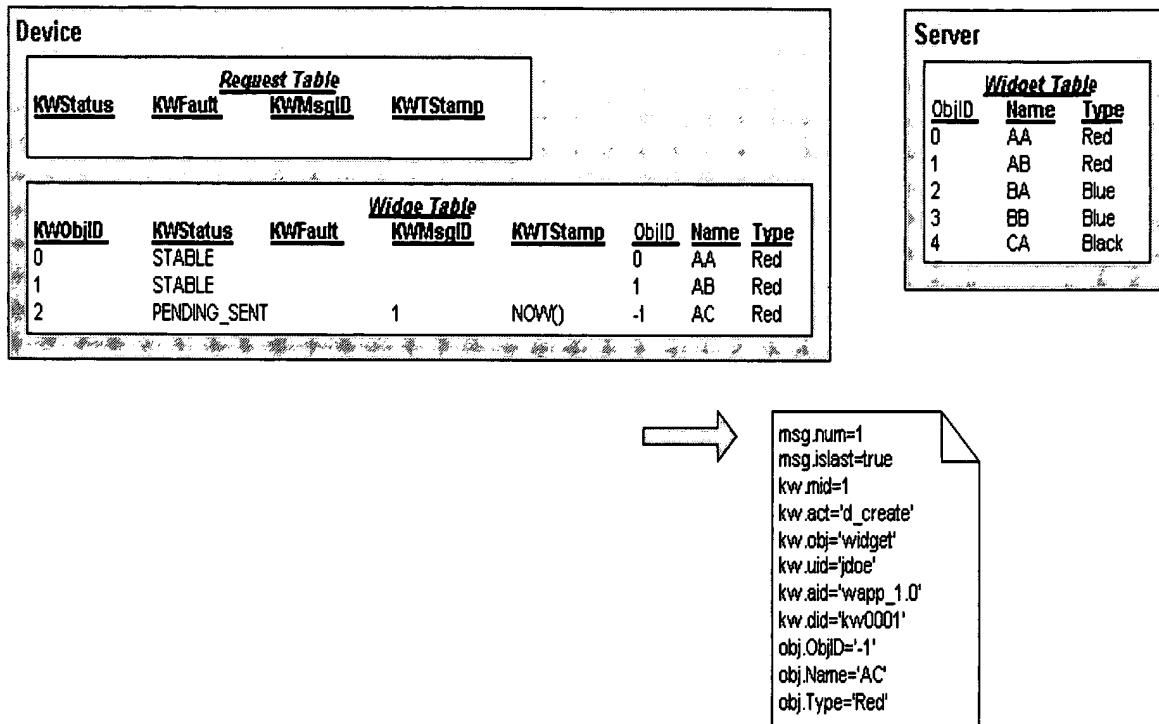


Fig 19

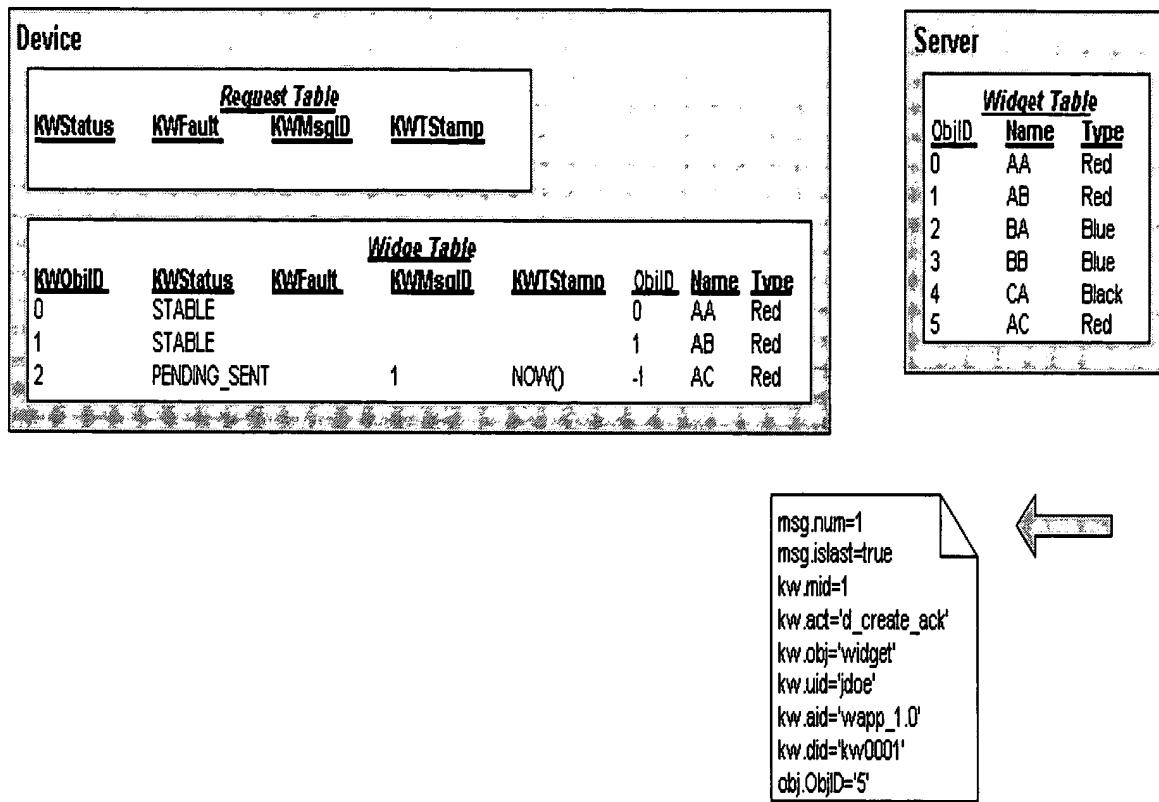


Fig 20



Device

<u>Request Table</u>				
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsqID</u>	<u>KWTStamp</u>	

<

<u>Widget Table</u>							
<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsqID</u>	<u>KWTStamp</u>	<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	STABLE				0	AA	Red
1	STABLE				1	AB	Red
2	STABLE				5	AC	Red

Server

<u>Widget Table</u>		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black
5	AC	Red

Fig 21

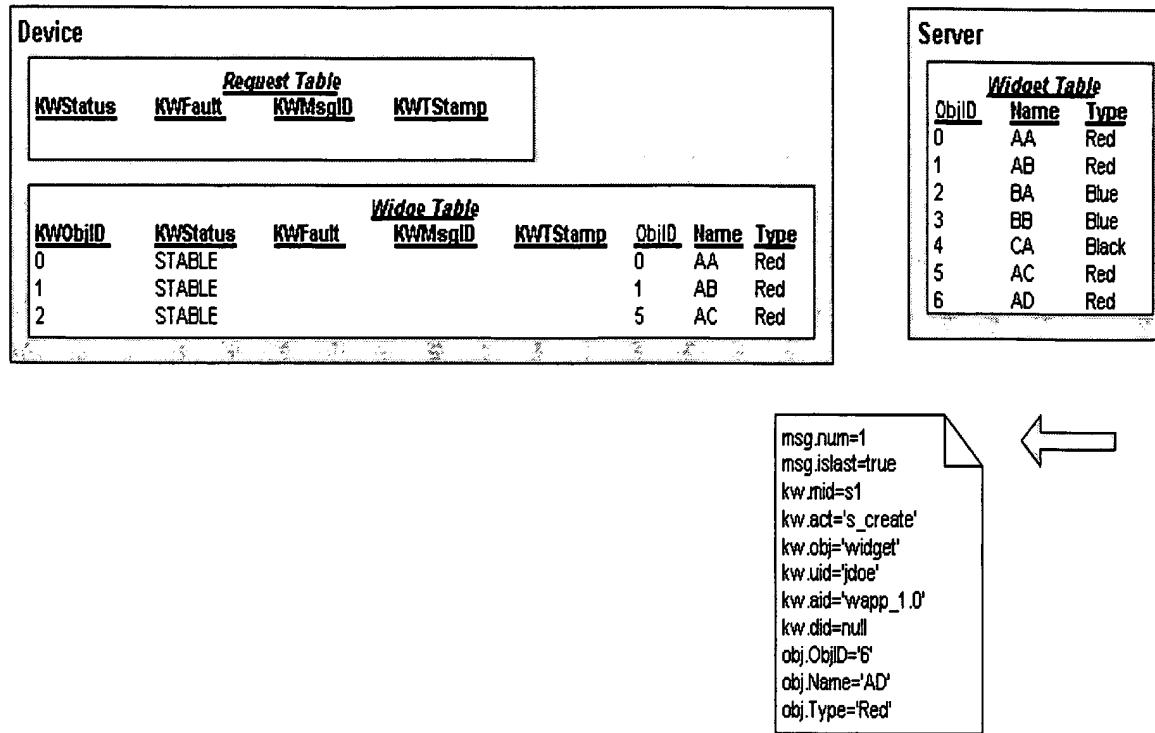
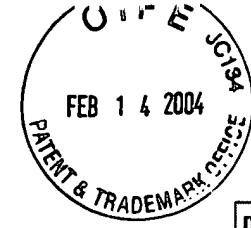


Fig 22



Device							
Request Table							
<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>				
Widget Table							
<u>KWObjID</u>	<u>KWStatus</u>	<u>KWFault</u>	<u>KWMsgID</u>	<u>KWTStamp</u>	<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	STABLE				0	AA	Red
1	STABLE				1	AB	Red
2	STABLE				5	AC	Red
3	STABLE				6	AD	Red

Server		
Widget Table		
<u>ObjID</u>	<u>Name</u>	<u>Type</u>
0	AA	Red
1	AB	Red
2	BA	Blue
3	BB	Blue
4	CA	Black
5	AC	Red
6	AD	Red

Fig 23

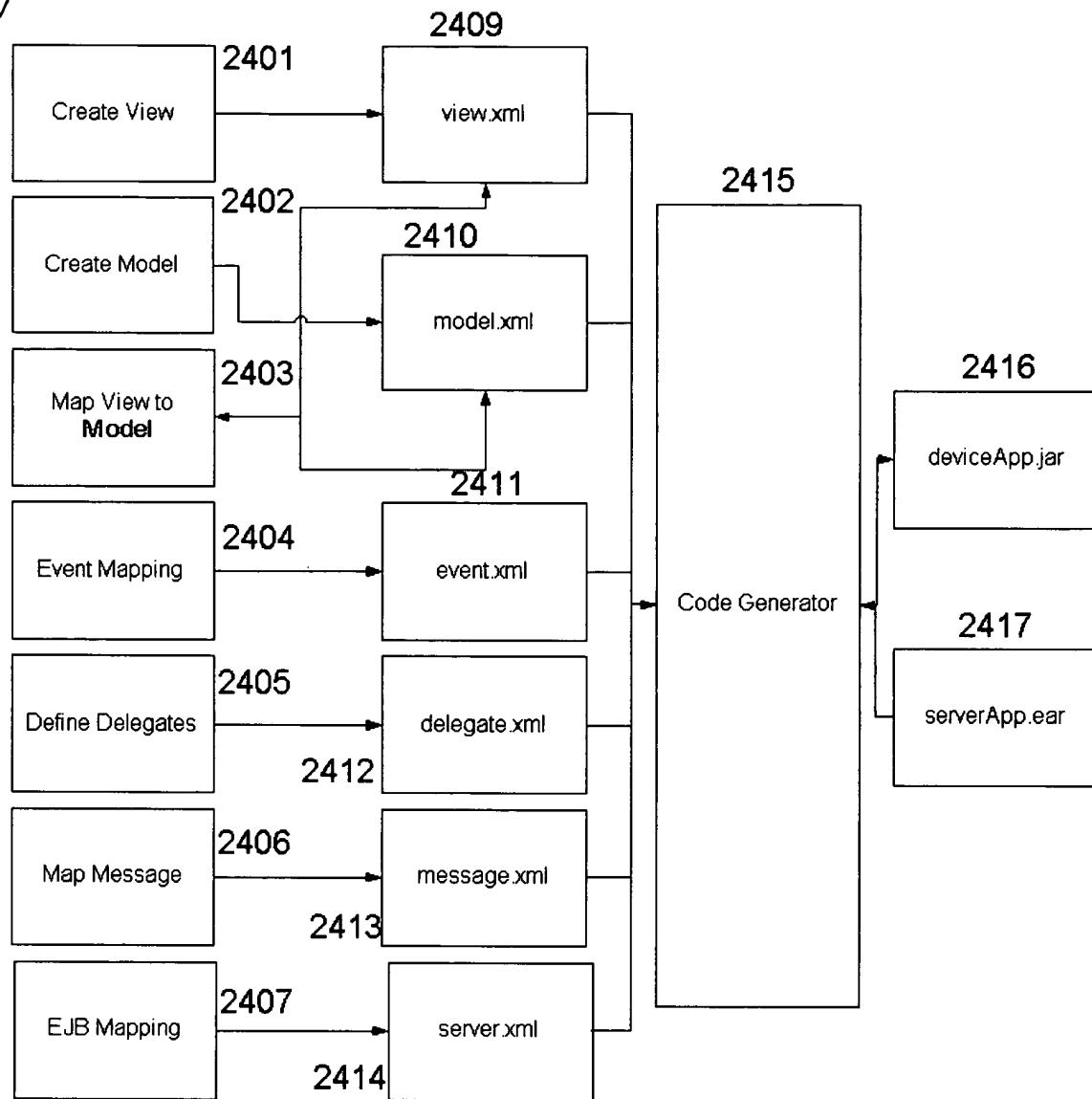
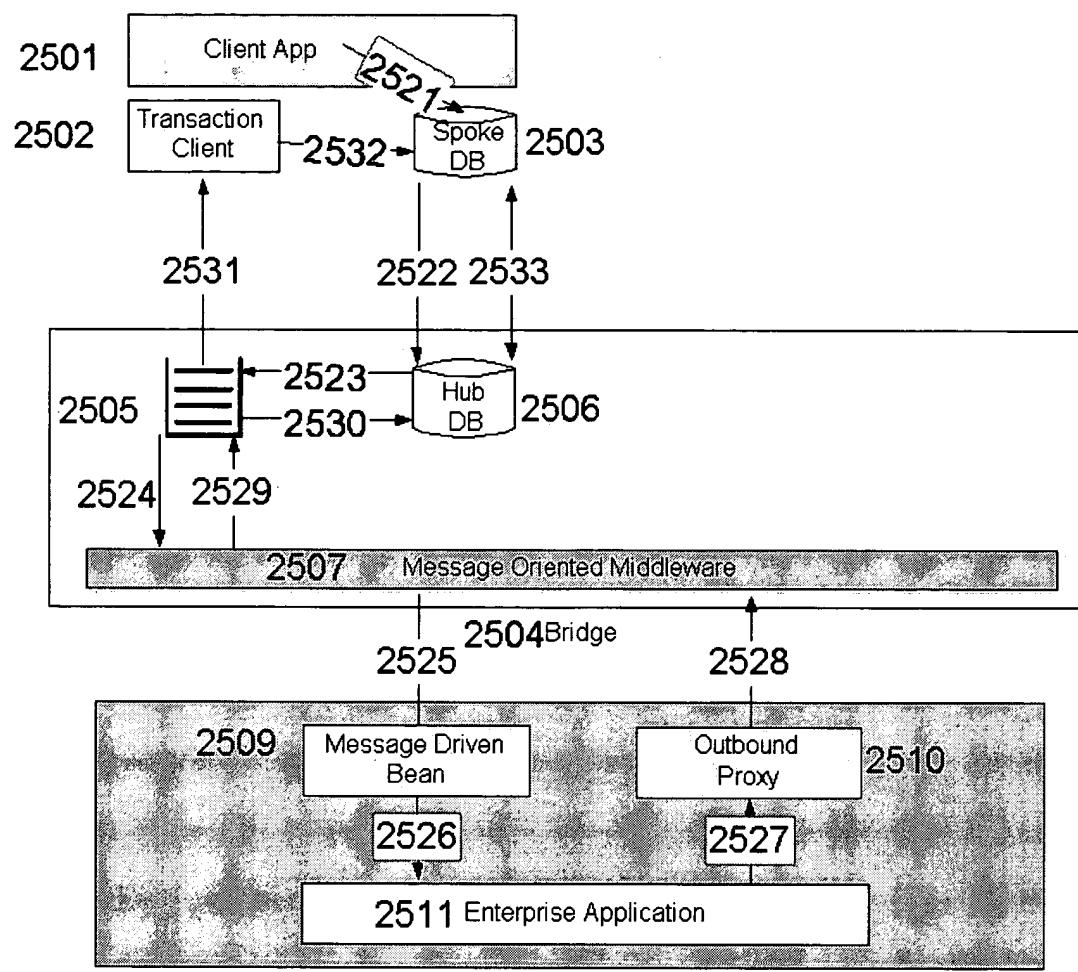


Fig 24



2508 J2EE Application Server

Fig 25

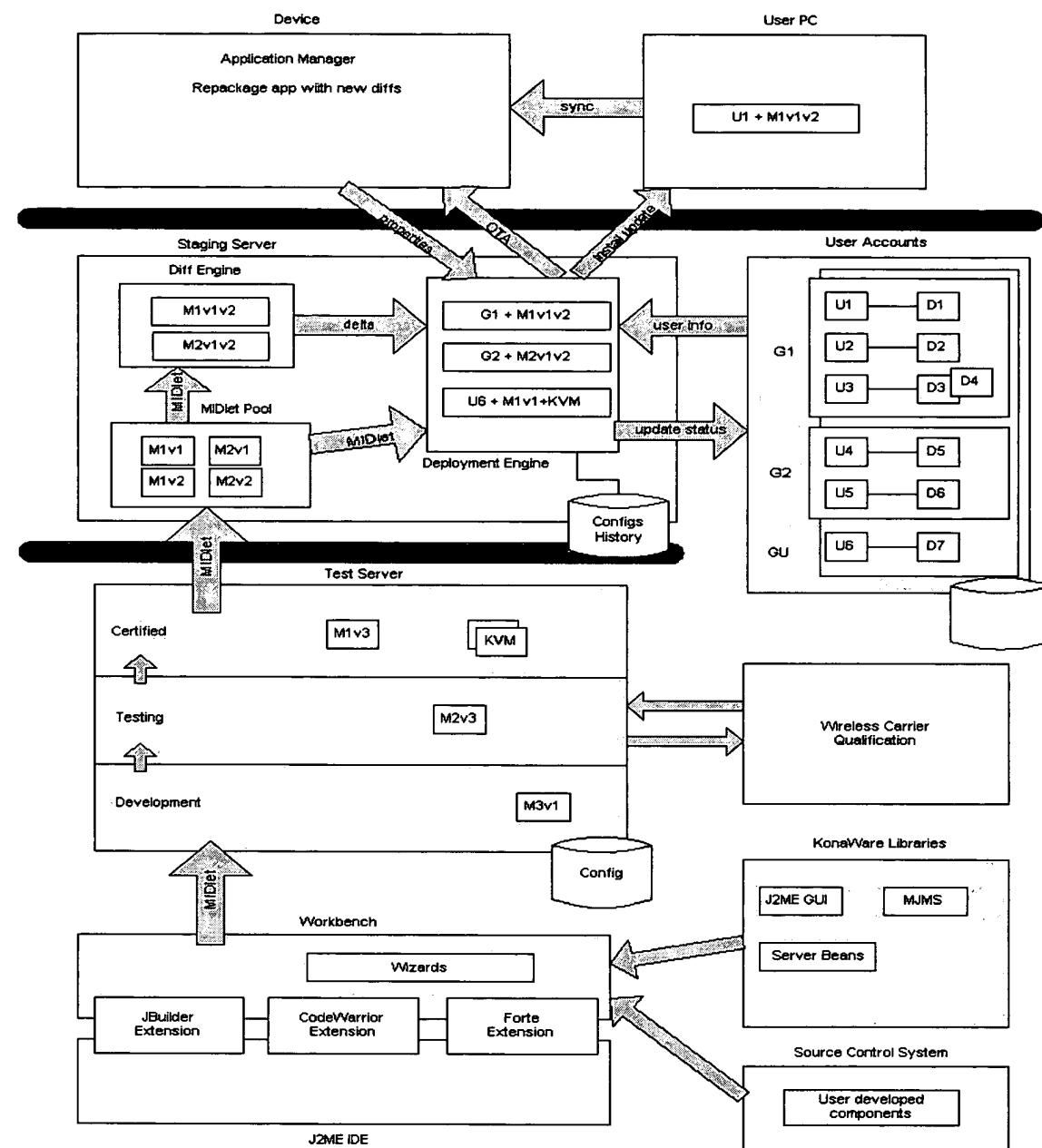


Fig 26

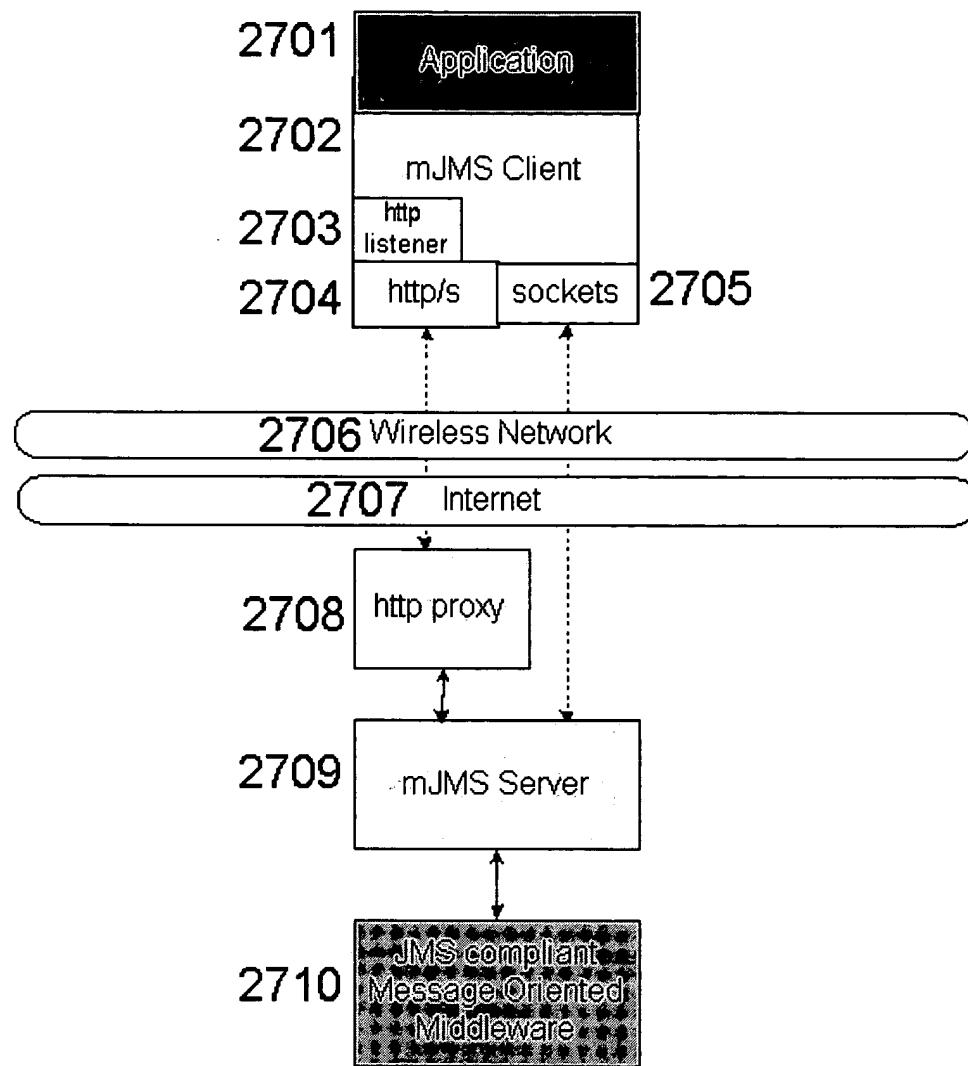


Fig 27